

ATTORNEY DOCKET NO.: 0079571-0094 (BU82)  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Collins, *et al.* Examiner: NYA  
Serial No.: 10/535,128 Art Unit: NYA  
Filing Date: May 16, 2005  
Title: CIS/TRANS RIBOREGULATORS

MAIL STOP: MISSING PARTS  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

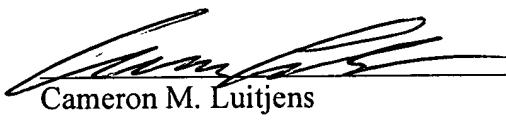
Sir:

**RESPONSE TO NOTIFICATION OF DEFECTIVE RESPONSE OF  
NONPROVISIONAL APPLICATION**

In response to the Notification of Missing Requirements under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US), enclosed herewith is the Sequence Listing.

Please charge any additional fees or credit any overpayments that may be required to our Deposit Account No. 03-1721.

Respectfully submitted,



Cameron M. Luitjens  
Reg. No. 58,674

CHOATE. HALL & STEWART, LLP  
Two International Place  
Boston, MA 02110  
Phone: (617) 248-5000  
Fax: (617) 248-4000  
Dated: July 17, 2006  
4102992

<b>Certificate of Mailing</b>	
I certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450	
<u>July 17, 2006</u>	<u>Lisa A. Walsh</u>
Date	Signature
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Boston U

Page 1 of 2

BHJ/CML



UNITED STATES PATENT AND TRADEMARK OFFICE

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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/535,128	James J Collins	0079571-0094
INTERNATIONAL APPLICATION NO.		
PCT/US03/36506		
I.A. FILING DATE	PRIORITY DATE	
24280	11/14/2003	11/15/2002
CONFIRMATION NO. 3605		
371 FORMALITIES LETTER		
*OC00000019267863*		

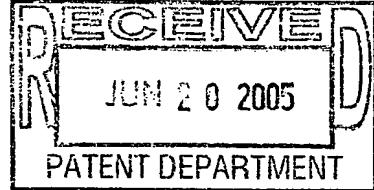
*Resp Notice Defects*  
**Docketed**  
**Due 7-15-06**

Date Mailed: 06/15/2006

**NOTIFICATION OF DEFECTIVE RESPONSE**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495)

- Indication of Small Entity Status
- Priority Document
- Copy of the International Application filed on 05/16/2005
- Copy of the International Search Report filed on 05/16/2005
- Preliminary Amendments filed on 05/16/2005
- Information Disclosure Statements filed on 05/05/2006
- Biochemical Sequence Diskette filed on 04/04/2006
- Oath or Declaration filed on 04/04/2006
- Biochemical Sequence Listing filed on 04/04/2006
- Small Entity Statement filed on 04/04/2006
- Request for Immediate Examination filed on 05/16/2005
- U.S. Basic National Fees filed on 05/16/2005
- Priority Documents filed on 05/16/2005
- Power of Attorney filed on 04/04/2006
- Specification filed on 05/16/2005
- Claims filed on 05/16/2005
- Abstracts filed on 05/16/2005
- Drawings filed on 05/16/2005



Applicant's response filed 05/05/2006 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 09/28/2005 have not been completed.

- The paper or compact disc copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Applicant must provide a substitute paper or compact disc copy of the "Sequence Listing", as well as an amendment specifically directing its entry into the application OR a substitute computer readable form (CRF) copy of the "Sequence Listing". These two items must be the same. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or

compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000).

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

**Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).**

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

**For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:**

- **For Rules Interpretation, call (571) 272-0951**
- **For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.**
- **Send e-mail correspondence for Patentin Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)**

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

SHAKEEL AHMED

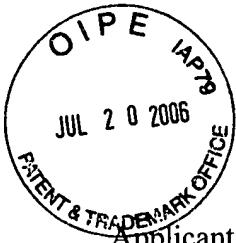
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Telephone: (703) 308-9140 EXT 208

**PART 1 - ATTORNEY/APPLICANT COPY**

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U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/535,128	PCT/US03/36506	0079571-0094



IAP6 Rec'd PCT/PTO 20 JUL 2006

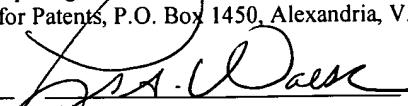
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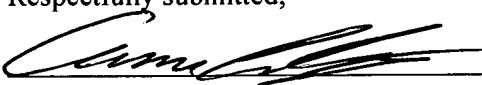
TRANSMITTAL LETTER

Enclosed herewith please find the following documents:

1. Copy of Notification of Defective Response of Nonprovisional Application (2 pages);
2. Response to Notification of Defective Response (1 page);
3. Amendment Introducing Sequence Listing (1 page);
4. Statement under 37 CFR §1.821 (1 page);
5. Paper copy of Substitute Sequence Listing (12 pages);
6. Computer-readable diskette copy of the Sequence Listing;
7. Return Postcard

Please charge any fees or credit any overpayments in the fees that may be due in this matter to  
Deposit Account No. 03-1721.

Respectfully submitted,

  
Cameron M. Luitjens  
Reg. No. 58,674

CHOATE, HALL & STEWART., LLP

Two International Place

Boston, MA 02110

Phone: 617-248-5000

Fax: 617-248-4000

Dated: July 17, 2006